



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0851-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449 A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Application Number : 09/887,824

Filing Date: 06/22/2001

First Named inventor: Hubbell

Group Art Unit: 3713

Examiner Name: n/a

Attorney Docket Number: 05222.00145

(Use as many sheets as necessary)

Sheet _____ of _____

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
WS		US-4,622,013	11/11/1988	Cherchio	
WS		US- 4,874,784	10/17/1989	Ciancay	
WS		US- 4,981,766	01/02/1990	Derr, et al.	
WS		US- 4,931,950	06/05/1990	Isle, et al.	
WS		US- 4,984,077	10/16/1990	Eisen, et al.	
WS		US- 4,977,529	12/11/1990	Gregg, et al.	
WS		US- 5,002,491	03/26/1991	Abrahamson, et al.	
WS		US- 5,170,464	12/08/1992	Hayes, et al.	
WS		US- 5,189,402	02/23/1993	Naimark, et al.	
WS		US- 5,208,745	05/04/1993	Quentin, et al.	
WS		US- 5,208,898	05/04/1993	Funabashi, et al.	
WS		US- 5,239,617	08/24/1993	Gardner, et al.	
WS		US- 5,259,766	11/09/1993	Sack et al.	
WS		US- 5,267,865	12/07/1993	Lee, et al.	
WS		US- 5,310,349	05/10/1994	Daniels, et al.	
WS		US- 5,311,422	05/10/1994	Loftin, et al.	
WS		US- 5,317,688	05/31/1994	Watson, et al.	
WS		US- 5,326,270	07/05/1994	Ostby, et al.	
WS		US- 5,359,701	10/25/1994	Chiang, et al.	
WS		US- 5,372,507	12/13/1994	Goleh	

FOREIGN PATENT DOCUMENTS						
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WS		EP 0 689 132 A2	12/27/95	Laffra		
WS		EP 0 710 942 A2	05/08/96	Siefert		
WS		EP 0 710 942 A2	05/08/96	Siefert		
WS		EP 0 798 655 A2	10/01/97	Jervis, et al.		
WS		WO 00/04478	01/27/00	Jonsson		
WS		WO 97/44766	11/27/97	Cook		
WS		WO 98/03953	01/29/98	Simmons		
WS		WO 98/25251	06/11/98	Ho		
WS		WO 98/32109	07/23/98	De Lange		

Examiner Signature	/Wilbert L. Starks, Jr./	Date Considered	05/28/2006
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First Named Inventor: Hubbell

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Examiner Name: n/a

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(Use as many sheets as necessary)

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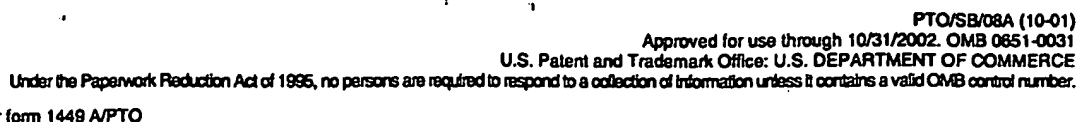
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
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WS		"Evaluating the effectiveness of feedback in SQL-tutor", IEEE, proc. Int. workshop IWALT, pp 143-144	
WS		"Automated Exercise Progression in Simulation-Based Training," IEEE Trans. On Systems, Man, and Cybernetics, Vol. 24(6), pp. 863-74, June 1994	
WS		"ACM Transactions on Information Systems," 1988 at www.acm.org/pubs/toc/Abstracts/tois/59298.html	
WS		The Virtual Classroom: Great Expectations. Delivering Graduate Education by Computer: A Success Story, 1998.	
WS		"A Special Section -- Goal Based Scenarios: A New Approach to Professional Education: Reengineering Education at Andersen Consulting," Educational Technology, Nov.-Dec. 1994	
WS		"Goal-Based Scenarios and the Problem of Situated Learning: A Commentary on Andersen Consulting's Design of Goal-Based Scenarios," Educational Technology, Nov.-Dec. 1994	
WS		"DDD--A Free Graphical Front-End for UNIX Debuggers," Jan. 1996, ACM Sigplan Notices, Vol. 31, No. 1, pp. 22-27	
WS		"Automated Training of Legal Reasoning" at http://www.bileta.ac.uk/94papers/muntjsw.html	
WS		"The Virtual Learning Environment System," 28th Annual Frontiers in Education Conference, Conference Proceedings, Vol. 2, Nov. 4-7, 1998	
WS		"Developing a Design System into an Intelligent Tutoring System," Int'l J. Engr. Eud., Vol. 13(5), pp-341-46, Dec. 1997	
WS		"CAPTOR a model for delivering web based intelligent tutoring system technology", IEEE Proc. DASC vol. 2, pp 5.C.4.1-5	

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WS		"Bridging the Virtual and the Physical: The InterSim as a Collaborative Support Interface," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 556-58, Dec. 1997	
WS		"Task-Oriented Learning on the Web"; Innovations In Education and Training International, Vol. 38, No. 1, Feb. 1999	
WS		"Applications of BrainMaker Neural Network to stocks, business, medical, manufacturing" at www.calsci.com/Applications.html	
WS		"KBLPS Overview" at www.cgi.com/CGIWEB/KBLPS/overindex4.html	
WS		"Smartlaw: adapting classic expert system techniques for the legal research domain", ACM pp 133-141	
WS		"Interactive Multimedia Instructs the Individual," Oct. 1994, Occupational Health & Safety Vol. 63, No. 10, pp. 144-145	
WS		"Practical methods for automatically generating typed links", ACM Hypertext, pp 31-41	
WS		"Popular Theory Supporting the Use of Computer Simulation for Experiential Learning," http://www.centurionsys.com/rci57.html , Aug. 1997	
WS		"Technical Report: Computer Aided Education and Training Initiative" at http://advlearn.lrdc.pitt.edu/advlearn/papers/FINALREP.html	
WS		"FRA: Teaching Financial Accounting with a Goal-Based Scenario," Intelligent Systems in Accounting, Finance and Management, Vol. 4, 1995	
WS		"Teaching Real-World Analysis Skills for Goal-Based Scenario," pp. 68-74	

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WS		US-5,727,950	03/17/1998	Cook, et al.	
WS		US- 5,745,652	04/28/1998	Bigus	
WS		US- 5,772,446	06/30/1998	Rosen	
WS		US- 5,779,468	07/14/1998	Ho, et al.	
WS		US- 5,788,508	08/04/1998	Lee, et al.	
WS		US- 5,791,907	08/11/1998	Ramshaw, et al.	
WS		US- 5,799,151	08/25/1998	Hoffer	
WS		US- 5,799,292	08/25/1998	Hekmatpour	
WS		US- 5,806,056	09/08/1998	Hekmatpour	
WS		US- 5,810,747	09/22/1998	Brudney, et al.	
WS		US- 5,822,745	10/13/1998	Hekmatpour	
WS		US- 5,823,781	10/20/1998	Hitchcock, et al.	
WS		US- 5,823,788	10/20/1998	Lemelson, et al.	
WS		US- 5,835,683	11/10/1998	Corella, et al.	
WS		US- 5,868,575	02/09/1999	Kuczawski	
WS		US- 5,870,768	02/09/1999	Hekmatpour	
WS		US- 5,875,437	02/23/1999	Atkins	
WS		US- 5,889,845	03/30/1999	Staples, et al.	
WS		US- 5,893,123	04/06/1999	Tuinenga	
WS		US- 5,911,581	06/15/1999	Knight Jeremy, et al.	

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WS		"Artificial Intelligence and Mathematics Education" at http://www.rand.org/hot/mcarthur/Papers/aied.html	
WS		"The Roles of Artificial Intelligence in Education: Current Progress and Future Prospects" at http://www.nib.unicamp.br/recursos...education/Intelligent-tutoring.html	
WS		"WITS: A Reusable Architecture for a VR-Based ITS" at http://advlearn.lrdc.pitt.edu/its-arch/papers/tam.html	
WS		"Brainmaker" at www.nplec.on.ca/~echoscan/28-04.htm	
WS		"News for ESAP" at www.hops.wharton.upenn.edu/~esap/news.html	
WS		"Learning with Computers," May 1994, Accountancy Vol. 113, No. 1209, pp. 60-64	
WS		"User-Sensitive Multimedia Presentation System," March 1, 1996, Vol. 39, No. 3, pp. 83-94	
WS		"Microworlds and Simuworlids: Practice Fields for the Learning Organization," Spring 1996, Organizational Dynamics Vol. 24, No. 4, pp. 38-49	
WS		"What are Intelligent Coaching Systems and Why are they (in)evitable?" IEEE Colloquium on Artificial Intelligence in Educational Software, pp. 2/1-2/5, June 1998	
WS		"Development of an Integrated Simulator and Real Time Plant Information System," Advances in Operational Safety of Nuclear Power Plants, Proceedings of an International Symposium 1996.	

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WS		US- 6,003,021	12/14/1999	Zadik, et al.	
WS		US- 6,015,348	01/8/2000	Lambright, et al.	
WS		US- 6,016,488	01/18/2000	Nichols	
WS		US- 6,018,730	01/25/2000	Nichols, et al.	
WS		US- 6,018,731	01/25/2000	Bertrand, et al.	
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WS		US- 6,023,691	02/08/2000	Bertrand et al.	
WS		US- 6,023,692	02/08/2000	Nichols	
WS		US- 6,026,386	02/15/2000	Lannert, et al.	
WS		US- 6,029,156	02/22/2000	Lannert, et al.	
WS		US- 6,029,158	02/22/2000	Bertrand, et al.	
WS		US- 6,029,159	02/22/2000	Zorba, et al.	
WS		US- 6,032,141	02/29/2000	O'Connor, et al.	
WS		US- 6,064,998	05/16/2000	Zabloudil, et al.	
WS		US- 6,067,537	05/23/2000	O'Connor, et al.	
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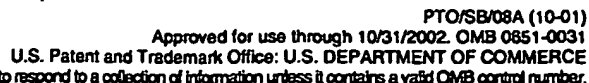
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WS		"A Goal-Centered Architecture for Intelligent Tutoring Systems," Proc. Of 7th World Conf. On Artificial Intelligence In Education, pp. 307-314, Aug. 1995	
WS		"Smart Avatars in JackMOO," Proceedings of the 1999 IEEE Conference on Virtual Reality, pp. 156-63	
WS		"Embedding an Intelligent Tutoring System in a Business Gaming-Simulation Environment," Proc. Of the 1994 Winter Simulation Conference, pp. 1399-1406, Dec. 1994	
WS		"Evaluating Intelligent Tutoring with Gaming Simulations," Proc. Of the 1995 Winter Simulation Conf., pp. 1376-83, Dec. 1995	
WS		"Persistent Issues in the Application of Virtual Environment Systems to Training," August 1996, Proceedings. Third Annual Symposium on Human Interaction with Complex Systems, IEEE, pp. 124-32.	
WS		"The Lisp Tutor," Byte, pp. 159-75, Apr. 1985	
WS		"Pedagogical, natural language and knowledge engineering techniques in SOPHIE I, II, and III," in Intelligent Tutoring Systems, D. Sleeman & J.S. Brown eds., pp. 227-82, Dec. 1982	
WS		Interactive Multimedia Distance Learning (IMDL): The Prototype of the Virtual Classroom, 1994.	
WS		"Understanding Organizational Dynamics of IT-Enabled Change: A Multipedia Simulation Approach," Winter 1997/1998, Journal of Management Information Systems: JMIS, Vol. 14, No. 3, pp. 109-140.	
WS		"Intelligent Computer-Aided Instruction: A Survey Organized Around System Components," Jan. 1989, IEEE Inc., New York, Vol. 49, No. 1, pp. 40-57.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet _____ of _____

Application Number : 09/887,824

Filing Date: 06/22/2001

First Named Inventor: Hubbell

Group Art Unit: 3713

Examiner Name: n/a

Attorney Docket Number: 05222.00145

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
WS		"Conducting and Supporting a Goal-Based Scenario Learning Environment," Educational Technology, Nov.-Dec. 1994	
WS		"Interface design issue for advising giving expert systems", Comm. Of the ACM, vol 30, no. 1, pp14-31	
WS		"An Object-Oriented Architecture for Evolutional Development of Interactive Learning Environment with Coached Problem-Solving," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 592-94, Dec. 1997	
WS		"Architecture of an Intelligent Tutoring System on the WWW," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 39-46 Dec. 1997	
WS		"Socialized Collaborative Learning In Multimedia Virtual Worlds" URL: http://www.iscs.nus.edu.sg/labs/learning/lels/VRML.html ; viewed Feb. 16, 1999	
WS		Flexible Learning, Feb. 1998, Credit Union Management Vol. 21, No. 2, pp. 32-33+	
WS		"Teaching Through Case-Based Reasoning: An ITS Engine Applied to Business Communication," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 111-18 Dec. 1997	
WS		"Train with Less Pain," Oct. 13, 1997, Informationweek No. 652, pp. 150-154	
WS		"Virtual Learning: A Revolutionary Approach to Building a Highly Skilled Workforce," Autumn 1998, Personnel Psychology Vol. 51, No. 3, pp. 767-71	
WS		"Intelligent Tutoring Systems: An Overview" at http://www.intellectbooks.com/authors/lawler/its.htm	

Examiner Signature	/Wilbert L. Starks, Jr./	Date Considered	05/28/2006
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WS		"No More Boring CPE," July 1997, Accounting Technology, pp. 27-35	
WS		Computer Dictionary, 1997, pp. 264, 276, 383, 446, 462, 507.	
WS		"Rule-Based Programming with OPS5" at www.mkp.com/books_catalog/O-934613-51-6.asp	
WS		"From Computer-Assisted Instruction to Intelligent Tutoring Systems," J. Artificial Intelligence in Education, V. 2(3), pp. 39-50, Dec. 1997	
WS		"MUSE U.S. Patents" at www.muser.com/html/patents.html	
WS		"Distributed Intelligent Tutoring on the Web," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 482-89, Dec. 1997	
WS		"RadTutor: The Theoretical and Empirical Basis for the Design of a Mammography Interpretation Tutor," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 386-393 Dec. 1997	
WS		"Using the Wizard of Oz Technique to Prototype a Scenario-Based Simulation Tutor," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 458-65, Dec. 1997	
WS		"Using Planning Techniques to Provide Feedback in Interactive Learning Environments," Proc. Sixth Int'l Conf. On Tools with Artificial Intelligence," pp. 700-03, Nov. 1994	
WS		"An Electronic Infrastructure for a Virtual University," Communications of the ACM, Vol. 40, No. 9, Sep. 1997.	
WS		"Simulation Technology and Parallelism in Learning Environments" at http://www.to.utwente.nl/prj/minvBook/chapter1.htm	

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WS		"Engines for Education" URL: http://www.ils.nwu.edu/~e_for_e/nodes/t-M-INTRO-ZOOMER-pg.html ; viewed Feb. 15, 1999.	
WS		"FinPlan System" at www.rfai.org.ru/FinPlan/	
WS		"Enhancing Simulation Education with Intelligent Tutoring Systems," Proc. Of the 1996 Winter Simulation Conf., pp. 675-80, Dec. 1996	
WS		"Computer Aided Instruction for Statistics: A Knowledge-Based Systems Approach," Int'l J. of Computers in Adult Education and Training, Vol. 5(1), pp. 3-14.	
WS		"Teaching with the Internet" 1998, JAI Press Inc., USA. Vol no. 3, pp 217-222	
WS		"Development of a Simulation-Based Intelligent Tutoring System for Assisting PID Control Learning," Jan. 1994, IEICE Transactions on Information and Systems, E77-D, No. 1, Tokyo Japan, pp. 108-17.	
WS		"Authoring Intelligent Tutoring Systems: An Analysis of the State of the Art" at http://www.cs.umass.edu/~tmurray/papers/ATSummary/AuthTools.html	
WS		Multimedia Training "Get Lemonade, Not a Lemon!" June 1997, Journal for Quality and Participation vol. 20, No. 3, pp. 22-26	
WS		"SMART Evaluation: Cognitive Diagnosis, Mastery Learning & Remediation," Proc. Of 7th World Conf. On Artificial Intelligence in Education, pp. 123-30, Aug. 1995	
WS		"Decision Pro3.0" at www.vanguardsw.com/	

Examiner Signature	/Wilbert L. Starks, Jr./	Date Considered	05/28/2006
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Application Number : 09/887,824

Filing Date: 08/22/2001

First Named Inventor: Hubbell

Group Art Unit: 3713

Examiner Name: n/a

Attorney Docket Number: 05222.00145

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WS		"A Fuzzy Logic-Based Intelligent Tutoring System," Information Processing 92, Vol. II, pp. 68-72, Dec. 1992.	
WS		"The SimQuest Authoring System for Simulation-Based Discovery Learning," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 79-86, Dec. 1997	
WS		"A Browser-Based System to Support & Deliver DE," 28th Annual Frontiers In Education Conference, Conference Proceedings, Vol. 1, Nov. 4-7, 1998	
WS		"Goal-Based Scenarios and Business Training: A Conversation with Roger C. Schank," Educational Technology, Nov.-Dec. 1994	
WS		"Automate Your Business Plan" at www.business-plan.com/screen2.html	
WS		"Kiplinger TaxCut Press Releases" at http://www.taxcut.com/taxcut/98press_releases/pr98_nowshipping.html	
WS		"TurboTax Deluxe Product Information" at http://www.intuit.com/turbotax/prodinfo/ttdlx.html	
WS		"Why Should the Teens Have All the Best Games? Management Skill with Oil, Health, Housing Games," Computergram Int'l, June 176, 1996	
WS		"Template Software Business Simulator, Chapter 8, August 1997	
WS		"Template Software Workflow Simulator, Chapter 8, June 1998	
WS		"Goal-Based Scenarios", Technical Report # 36, Northwestern University, The Institute for the Learning Sciences, December 1992, pp. 1-30	

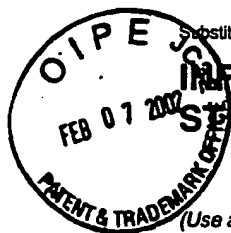
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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WS		"Eight Goal-Based Scenario Tools", Technical Report # 67, Northwestern University, The Institute for the Learning Sciences, January 1996, pp. 1-37	
WS		"A Role for AI in Education: Using Technology to Reshape Education", Northwestern University, The Institute for the Learning Sciences, Journal of Artificial Intelligence in Education, Winter 1990, January 1990, pp. 1-24 and 2 pgs. of references	
WS		"The Design of Goal-Based Scenarios", Technical Report # 39, Northwestern University, The Institute for the Learning Sciences, March 1993, pp. 1-58	

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Signature

/Wilbert L. Starks, Jr./

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